The Day of the Girl"

By NELL BRINKLEY

"The Camp-Fire Girl"

## Steam and Hydraulickers Coax Millions From Klondike Valleys (Copyright, 1916, by Frank

Frank G. Carpenter

Modern Machine Methods Change Scenery, Turning Land Upside Down; Hot Pipes Now Forced Into Frozen Grave Ito Move Its Precious Contents to Sluices.

DAWSON. YUKON TERRITORY, drops from the top of the mountain, work must be thawed down to forty or the Klondike, the treasure of cave of Jack Frost in this faraway land of the north, where gold dust and grave!

Awson. YUKON TERRITORY, drops from the top of the mountain, washing down the ice melting earth, the whole giving one the impression great blocks as hig as a house, before that a mighty cloudburst has torn down the hills, and, that avalanches of the carth slides have filled up the valleys.

Physics of Gold Profitable.

Dredgers Turn Vailey Upside Down.
The mining of the present is more destructive than that of the past. The fires of Sodom and Gomorrah left paths no more marked than the tracis of the dredges and the hydraulic glants. They have walked over some of the most beautiful parts of the world, and left them the abomination of desolation.
Twenty years aso there was no more beautiful valley on earth than that of the Klondike. It was bordered by grass covered hills that rolled over one another, rising here and there to far above the height of the Riuge Ridge. Both hills and valleys were covered with woods. In the open spaces the grass reached to your kness or your-waist, and there were wild flowers everywhere. As soon as gold was discovered men began to chop down the trees. Lumber was worth \$100 and upward a thousand, and little pine logs brought \$1 each. The miners thawed their way down into the gravel, and defaced the landscape with piles of half frozen muck. A little later the dredgers come in, and turned the land upside down. They stripped off the surface of grass and stumps, and plowed the beds of the creeks in great furrows thirty feet deep, until they are now as hare and as dreary as any part of the Sahata. The two corporations which have done most of this work are the Yukon Gold Company, commonly known as the Guggenbeims, and Joseph W. Boyle, Ltd., or the Mining Company of these is a great gold manufacturing proposition, which is different from any other in the mining camps of the world. In this letter I shall treat of the Yukon Gold only.

Hydraulickers Change Scenery.
But let me give you some pictures of

Hydraulickers Change Scenery.
But let me give you some pictures of the Klondike of today, I took a ride up the valler with Chester A. Thomas, the resident mannager of the Yukon Gold company. We had a high powered automobile, and flew up the Klondike valley winding our way in and out through great piles of debris. We rode along Bonanza and Eldorado creeks which have been dredged from one end to the other and along the sides of mountains where they are now shinding down the bed of the famous Whits river channel. The whole way was through a mass of gravel rock and earth washing. The beds of the river and creeks have been plowed in great furrows many feet high There are places where miles of bowlders pebbles and broken rock seems to flow in a mighty stream like that of a glacier down the mountains that arise from the valler. Streams of water as big around as the which of a man as shooting out of pines. finish that arise from the valley firm as so thigh of a man are shooting out of pipes with such a force that they bit the key gravel at 100 pounds to the inch, and that notwithstanding it is several hundreds feet from the pipe mouth to the hill. In other places the water

bus Kromities, the treasure of care of Jack From the treasure of the work of the thousands who rushed here a few years back loaded with gold. You may have heard how the district has produced gold by the ton, and how within ten years after its discovery the outron the property of the work is still going on. The Green From the system of the Hollowship of the work is still going on. The Green From the system of the Hollowship of the work of the Klondike of today.

\*\*Big Companies Handle Millions.\*\*

\*\*Big Compan

in moression on the glacial los cap below.

Gold Is at Bedrock.

It is sprinkled through this ice, earth and rock that the gold values lie. There is a little not far from the surface, but the most of the gold is at bedrock, which may be thirty, forty or lifty feet down. The frozen earth has to be thawed out, inch by linch, and foot by foot, in such a way that it can be swallowed by the dredges that gulp it down at the rate of twenty-six bltes to the minute and about one-third of a fon to the life. They take up the rocks over and over and sift out the gold hearing sand. They take away the pebbles and great boulders and turn the sand out upon plates covered with mercury which catches the gold. The dredges will handle something like a.000.000 tons of material this year and the amount of gold saved will be several millions of dollars.

Must Thaw for Dredging.

Before any such work can be done Jack Frost must be taken out of the strough to be mined. The dredges cannot work in frozen rock, and the difficulties of the ice strata are far greater for them than they were for the individual miners. In the first mining of the Klondike the perpetual (or really aided the men by saving the trouble of timbering. They coeld dig down through it to where the great gold pockets lay, and then drift off along the klondike the perpetual (or really aided the men by saving the trouble of timbering. They coeld dig down through it to where the great gold pockets lay, and then drift off along the klondike the perpetual (or really aided the men by saving the trouble of timbering. They coeld dig down through it to where the great gold pockets lay, and then drift off along the klondike the perpetual (or really aided the men by saving the trouble of timbering. They coeld dig down through it to where the great gold pockets lay, and then drift off along the klondike the perpendicular and at the top were whore a color of the gold. The frozen earth was as firm as so much solid rock and they were able to work without the wooden supports where the

White River Aniedates History.

The whiteness of the silt and gravel is a characteristic of the bed of the famous White river channel, which flowed through this region in probletoric times at an altitude several hundred feet above the present beds of the creeks. The streams of later ages have cut their way down through the old river bottom, and are now running through valleys far below. It is in what is left of the banks of the old White river bed that the low gradegold dust washed out by hydraulies is found. The old river probably carried all the gold now found in the creeks far below and they are now slutcing down its former banks to get the gold dust remaining. How long ago the old river flowed no one knows. The miner; have discovered fossils of tropical plants, showing that it antedated the glacial period, and they wash out now and then the remains of mastodoms and other prehistoric animals which until now have been locked up in the perpetual ice.

Riffles Catch the Gold.

profit.

As we rode up the valleys I asked Mr.

As we rode up the valleys I asked Mr.

Thomas whether they were able to win all the gold. He replied

"We may lose a cent or two to the ton, but the amount is so small that we are unable to tell just what it is.

The stuff that goes through the dredses may at times yield 50 cents a yard, and there may be patches that will run \$5 per yard or more. We work only in large quantities and we know what our averages are

our averages are."
I asked as to the amount of material handled, and was told that within the I asked as to the amount of material handled, and was told that within the last eight years more than 40,000,000 cubic yards of earth and rock had been washed by the dredges and the bydrauulic giants, the output being about 5,000,000 cubic yards for each year. I then took my paper and figured. A cubic yard of this rock weighs about a ton and a half. It would be a good load for two horses. Let us suppose it could be put uses wagons and each team with its wagon take 30 feet space on the roadway. The teams required to half the whole mass would be 1,200,000,000 feet long or, for easy figuring, at 5,000 feet to the mile it would reach from here for a distance of 250,000 miles. It would be long enough to go 15 times around the world at the equator, and if it could be started through space on a roadway of moon-beams it would extend all the way to that luminous body that makes ounights glorious and still leave 10,000 miles of wagons to follow.

Extract Mere Than \$150,000,000.

SHE tramps the pine woods and the hills in knickerbockers and middy shirt; and a wild rose for her cheeks from under a mossy log. Sing the day of the girl her waist free of corseting and her limbs of skirts, her pack on her shoulder; her waist free of corseting and her limbs of skirts, her pack on her shoulder; and never missing man. Somewhere in the dim woods she buries Trouble in when she can go straight to the heart of things with a body both modest and un-

dust remaining. How long ago the old have considered the control of the control o

A Romance of Life in a Big City

## GIRL AND A MAN By VIRGINIA TERRIUNE VAN DE WATER.

Agnes Learns About the Office From One of Her Coworkers.

(Copyright 1915 Star Compuny)

ahe entered his employ William Hale and secretary. He had put her immediately in her place. She was to

to hall the whole mass would be 1,200,000,000 feet to the mile it would reach from here for a distance of 250,000 miles it would be long enough for to go 10 times around the world at the equator, and if it could be started through apace on a roadway of moon-beams it would extend all the way to that luminous body that makes ounights glorious and still leave 10,000 miles for was so mervous at first that her hands and feet were miles of wasque to follow.

Extract More Than \$185,000,000.

Ey to the present time more than \$185,000,000 worth of gold has been to gold and her hands re
There's he said. That's enough for the present. You may go on out to huncheon Bo bisch by a quarter of the present. You may go on out to huncheon Bo bisch by a quarter of the present. You may go on out to huncheon Bo bisch by a quarter of the present. You may go on out to huncheon Bo bisch by a quarter of the present. You may go on out to huncheon Bo bisch by a quarter of the present. You may go on out to huncheon Bo bisch by a quarter of the present. You may go on out to huncheon Bo bisch by a quarter of the present. You may go on out to huncheon Bo bisch by a quarter of the present. You may go on out to huncheon Bo bisch by a quarter of the present was in the large where you can get a suick feed them. Your was in the seed at five.

Yery well, sir," she heard herself saying.

The closet in which she had hung went down the street to a luncheon Bo bisch by a quarter of the present. You may go on out to huncheon Bo bisch by a quarter of two Incheon Bo bisch by a quarter of twas Incheon Bo bisch by a quarter of two Incheon Bo bisch by a qua

CHAPTER VI.

Surved their normal temperature.

THUS began Alice Morley's first work with the firm of Hale & but an animate apparatus for his content of the content of the

At I o'clock Mr. Hale drew a long There" he said. "That's enough for

that any one who might have been somewhat attractive should dress as Annie Rooney did.

Her plump figure was compressed into a very tight dress, her hair was piled on top of her head in an exaggeration of the prevailing mode, and her face, especially her nose, was abundantly powdered.

Agnes remembered having heard some one say that nowadays the noses of a certain class of girls looked like marshmallows. She wondered why any creature should spoil a pleasant face and torture really pretty black hair as this girl was doing.

"Where are you going to luncheon" her new acquaintance asked her.
"I don't know. I hadn't planned about it." Agnes replied.

"Well there's quite a good place near here where you can get a quick feed theap." Miss Rooney informed her. "Come along with me, and I'll show you."

The pair chatted pleasantly as they

(To Be Continued.)

Reginal McKrona character of the ex-changes to Great Statute sound how in the Cambridge eight which best Caford in 1976.



Here's a Charming Garden Frock



CHARMING garden trock in ecru net top lace, the spirit of which is a three tier effect, each finished with a frill of flesh colored ribbon, is shown here. Cordings covered with flesh colored satin are a distinctive feature. The waistline is quite snug, the princess line being attained by the arrangement of

After the brief conversation when spoke no word but of the business

that he know nothing of her personality. It was very much easier just as

girl who had been sealed at a typewriter earlier in the day was hist now
covering her machine preparatory to
going out. She podded kindly to
Agnes as she met her eve.

An Explanation.

"You're not hungry because you're
new to your job," Miss Rooney remarked wissiy. When you're been
at it awhile you'll get over being neryous and will just stoke up like the
vest of up. What are you going to
have now."

"Yes," Agnes replied. "I am Agnes
Morley, the new secretary."

"I'm pleased to meet you," the other
said. "Since you're givling me your firs,
name, I suppose I may as well give
you mine. It's Annie but I sort of
hate to tell it to strangers—for all of
them laugh at it."

"I don't see why," Agnes said. I'm
sure Annie's a very nice name."

"Oh, it's on account of that old sons,
'Annie Rooney,' that they laugh," Arnie explained.

"I never thought of that," Agnes
smiled.

She looked at her companion intentity,
for she saw that the girl wanted to
be friendly, It was a pity, she thought,
that any one who might have been
somewhat attractive should dress as
Annie Rooney, did.

Her plump figure was compressed

Tguess he knows she wouldn't stand for it." Annie giggled. She's awfully competent, but stands on her rights, lie knows if he laws her she'll give lack as good as she gets. She's not foung and not good looking, but she knows a lot."

As they officed the outer office the stout man whom Agnes had seen in the morning came out through the door.

stout man whom Agnes had seen in the mocning cime out through the door bearing the mame of "fashrook Bain-hridge." Miss Rooney pinched her companisons arm. There, she whispered, 'that's him-Mr. Bainbridge-that stout chap."

"On preathed Agnes, 'is that Mr. Bainbridge."

Of course, then, it had not been this man where comment she had overheard on her arrival today. It must have been one of the office boys who had given vent to that impertinent expression of admiration.